

A case of fungal corneal ulcer with favourable outcome

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ABSTRACT

Fungal keratitis is a very serious, potentially sight-threatening corneal infection which most commonly develops in patients after trauma or those with a compromised corneal surface. We report a case of a healthy 50-year-old gentleman, presented to emergency clinic for right eye pain and redness for 3 days. Prior to that there was history of iron dust particles went into his eye while welding. Upon presentation the visual acuity (VA) was counting finger on right eye and 6/9 over the left eye. There was no relative afferent pupillary defect. In the right eye, conjunctiva injected. There was corneal epithelium defect with dense infiltration para-centrally at 6 o'clock about 2.2 mm x 2.4 mm with small corneal scar adjacent to it. There was also severe anterior segment inflammation with hypopyon level 1 mm. The lens was cataractous with normal posterior segment findings. He was treated clinically with intensive antibacterial eyedrops. As his eye condition not improved, antifungal added, topical and systemically. His vision improved from counting fingers at presentation to 6/24. The diagnosis and treatment of fungal keratitis are still a challenge. Early and accurate diagnosis, along with immediate and vigorous treatment, plays a crucial role in managing cases of fungal keratitis. Such an intervention in time can rapidly control fungal infection and largely shorten corneal ulcer healing time and will result favourable visual outcome.